HPE6-A47^Q&As

Designing Aruba Solutions

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QUESTION 1

Read this scenario thoroughly, and then answer each question that displays on the right side of the screen.

An architect proposes these products for a customer who wants a wireless and wired upgrade:

1.

Aruba 2930M switches at the access layer

2.

Aruba 5406R switches at the core

3.

Aruba AP-325s

4.

Aruba 7205 Mobility Controllers (MCs), deployed in a cluster

5.

Aruba Mobility Master (MM)

6.

Aruba ClearPass Cx000V

7.

Aruba AirWare

The architect also needs to propose a security plan for the solution. The customer has 900 employees and up to 30 guests a day. The customer wants to protect the internal perimeter of the network with authentication and simple access controls. The customer is most concerned about wireless security, but also wants to ensure that only trusted users connect on the wire. However, the customer also wants all wired traffic to be forwarded locally on access layer switches. The customer already has a third-party firewall that protects the data center.

The customer wants to use certificates to authenticate user devices, but is concerned about the complexity of deploying the solution. The architect should recommend a way to simplify. For the most part users connect company-issued laptops to the network. However, users can bring their own devices and connect them to the network. The customer does not know how many devices each user will connect, but expects about two or three per-user. DHCP logs indicate that the network supports a maximum of 2800 devices.

Refer to the provided scenario. Based on the plan for wired authentication, what is a correct plan for wired user VLANs?

A. use the MCs to assign wired users to their VLANs, and extend the VLANs to a Layer 3 switch connected to the MC

B. specify the VLANs in network policies on AirWare, and ensure that both the switches and MCs are managed by AirWare

C. assign wired users to different VLANs from wireless users, based on port or role assignments on access layer

switches. Extend the VLANs to the core.

D. configure the same roles on switches and MCs to place wired and wireless users in the same VLANs. Extend VLANs from access layer switches to the core.

Correct Answer: C

QUESTION 2

An architect needs to plan a wireless deployment. The architect conducts a physical walkthrough, but still needs more information.

Which significant RF obstacle can be difficult to see visually and might require access to blueprints?

A. fiberglass

B. metal firewall

C. ceiling tiles

D. drywall

Correct Answer: A

QUESTION 3

What is one important guideline for antenna selection?

A. Ensure that the beam-width exceeds 100 degrees.

B. Ensure that the H-plane and E-plane values are within 45 degrees of each other.

C. Ensure that the antenna is rated for 802.11ac usage.

D. Ensure that the antenna is designed for the frequency used by the radio.

Correct Answer: D

QUESTION 4

An architect needs to plan an 802.11ac wireless upgrade for a university building. What is one reason that it is important for the architect to identify auditoriums?

A. Auditoriums typically require a high-density AP design for RF coverage.

B. Users in Auditoriums often have Bluetooth devices, which can be a source of interface in the 5 GHz band.

C. Auditoriums typically require the use of 80 MHz channels to meet bandwidth requirements.

D. Auditoriums often require the use of DFS channels for sufficient 20 MHz channels.

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Correct Answer: D

QUESTION 5

An architect simulates VoIP calls and tests the throughput as 67 Kbps, packet loss as 0.3 percent, maximum latency as 100 ms, and maximum jitter as 100 ms.

Which issue typically causes a poor experience for users?

A. the packet loss

B. the throughput

C. the latency

D. the jitter

Correct Answer: D

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